CUS070X06Fxyz1

DUAL BAND | DIPLEXED | SINGLE SECTOR | CANISTER ANTENNA | X-POL | FIXED TILT | 610 MM (24.0 IN)

Features

- Diplexed, Single Sector configuration with 2 connectors
- Ideal for Small Cell / DAS applications
- Available with 4.3/10 *or* 7/16-DIN connectors
- Four unique mounting options
- Available in gray and brown

Connector Description

The antenna has 2 connectors located at the bottom.

Low Band R1 / High Band Y1	696-960 / 1695-2700 MHz	(2x) 4.3/10 *or* 7/16-DIN Female

Electrical Characteristics	Low Band R1		High Band Y1			
Frequency Bands (MHz)	696-960 MHz		1695-2700 MHz			
	696-806	806-960	1695-1880	1850-1990	1920-2200	2300-2700
Polarization	±45°		±45°			
Horizontal Beamwidth	70°	65°	70°	68°	65°	63°
Vertical Beamwidth	35°	30°	17°	16°	15°	14°
Gain	8.7 dBi	9.7 dBi	12.7 dBi	13.2 dBi	13.7 dBi	14.0 dBi
Electrical Downtilt (°)	(x) 0, 5		(y) 0, 6			
Impedance	50Ω		50Ω			
VSWR	≤ 1.5:1		≤ 1.5:1			
Upper Sidelobe Suppression	> 15 dB		> 15 dB			
Front-to-Back Ratio	> 30 dB		> 30 dB			
Isolation Between Ports	20 dB		22 dB			
IM3 (2x20W carrier)	< -153 dBc		< -153 dBc			
Input Power	(1x) 500 W		(1x) 300 W			
Diplexed	Yes (Internal Diplexer)					
Number of Sectors, Sector Spacing and/or Pattern Shape	1 Sector					
Lightning Protection	Direct Ground					

Mechanical Characteristics

Antenna Dimensions (Height x Diameter)	610 x 371	mm	24.0 x 14.6	in
Weight without Mounting Bracket Kit	9.4	kg	20.8	lbs
Antenna Volume	0.07	m^3	2.3	ft^3
Survival Wind Speed	200	km/hr	125	mph
Wind Area	0.22	m^2	2.4	ft^2
Wind Load (160 km/hr or 100 mph)	191	N	43	lbf

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Bottom View - Labeling

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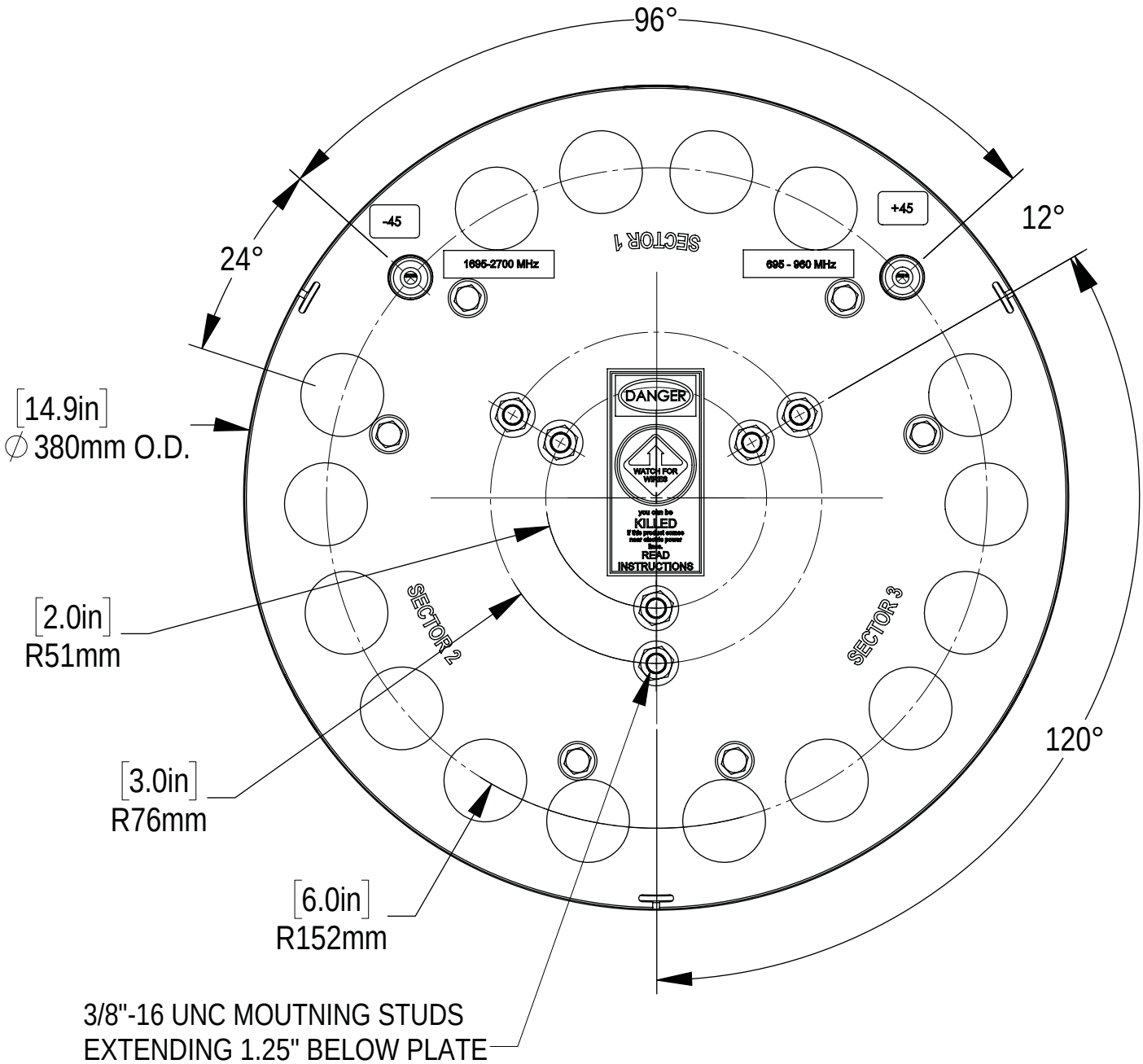
Bottom View - Connector Diagram



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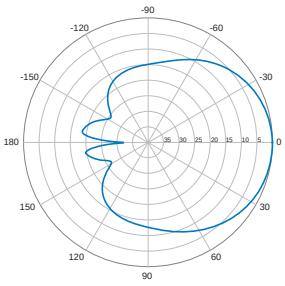
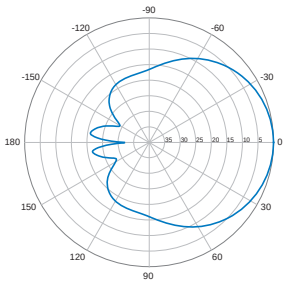
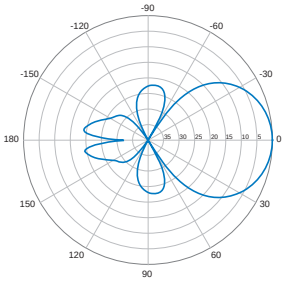
696-960 MHz



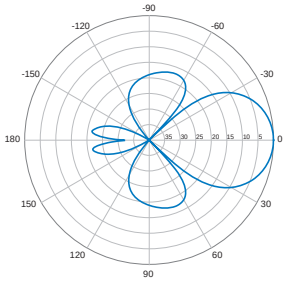
Horizontal | 750 MHz



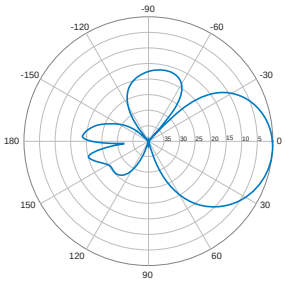
Horizontal | 850 MHz



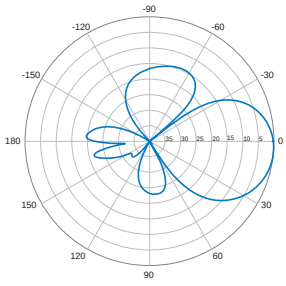
0° | Vertical | 750 MHz



0° | Vertical | 850 MHz



5° | Vertical | 750 MHz



5° | Vertical | 850 MHz

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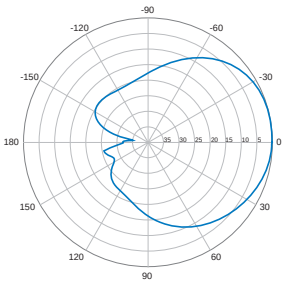
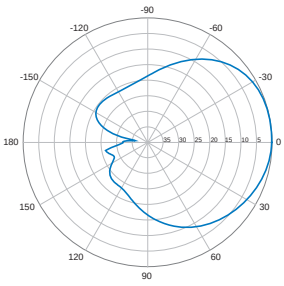
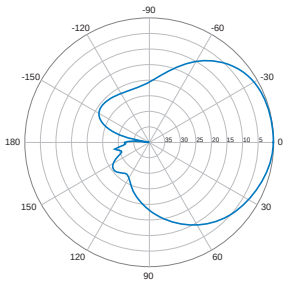
1695-2700 MHz



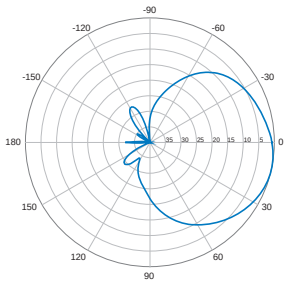
Horizontal | 1800 MHz



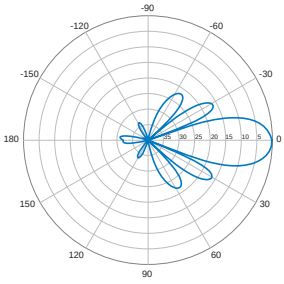
Horizontal | 1900 MHz



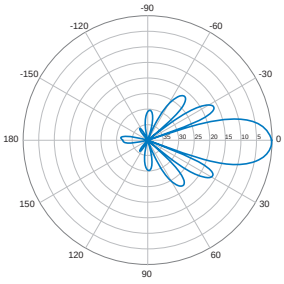
Horizontal | 2100 MHz



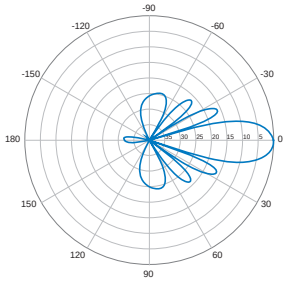
Horizontal | 2600 MHz



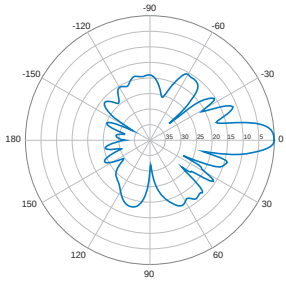
0° | Vertical | 1800 MHz



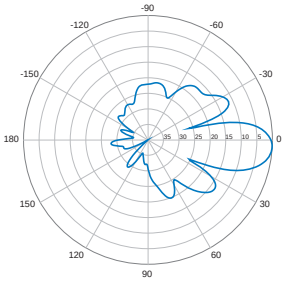
0° | Vertical | 1900 MHz



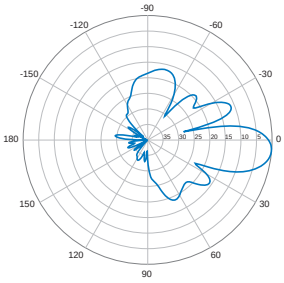
0° | Vertical | 2100 MHz



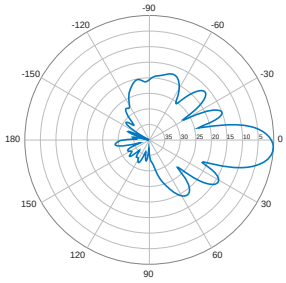
0° | Vertical | 2600 MHz



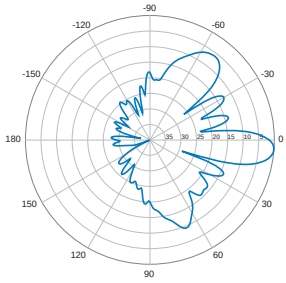
6° | Vertical | 1800 MHz



6° | Vertical | 1900 MHz



6° | Vertical | 2100 MHz



6° | Vertical | 2600 MHz

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Ordering Options

When ordering, select the Paint Color, Degree of Electrical Downtilt (**xy**) for the Low and High Bands and the Connector Type (**z**).

Paint Color	Electrical Downtilt Degree		Connector Type (z)	
	Low Band (x)	High Band (y)	4.3/10 Female	7/16-DIN Female
Painted Gray	0°	0°	CUS070X06F**00s**1	CUS070X06F**00D**1
	0°	6°	CUS070X06F**06s**1	CUS070X06F**06D**1
	5°	0°	CUS070X06F**50s**1	CUS070X06F**50D**1
	5°	6°	CUS070X06F**56s**1	CUS070X06F**56D**1
Painted Brown	0°	0°	CUS070X06F**00s**1**BR**	CUS070X06F**00D**1**BR**
	0°	6°	CUS070X06F**06s**1**BR**	CUS070X06F**06D**1**BR**
	5°	0°	CUS070X06F**50s**1**BR**	CUS070X06F**50D**1**BR**
	5°	6°	CUS070X06F**56s**1**BR**	CUS070X06F**56D**1**BR**

Mounting Kits

This antenna can be mounted using any of the following mounting kits. Mounting kits must be ordered separately.

Side Mounting Bracket Kit	Top Mounting Bracket Kit	Utility Pole Mounting Bracket Kit	Wide Diameter Pole Top Mounting Bracket Kit
CWT-MKS-SIDE	CWT-MKS-TOP	WB3X-MKS-01	CWT-MKS-BASE-xx
			

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